

09779331

NEWS 40 May 19 Simultaneous left and right truncation added to WSCA
NEWS 41 May 19 RAPRA enhanced with new search field, simultaneous left and right truncation
NEWS 42 Jun 06 Simultaneous left and right truncation added to CBNB
NEWS 43 Jun 06 PASCAL enhanced with additional data

NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT
MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003

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FILE COVERS 1907 - 14 Jun 2003 VOL 138 ISS 25
FILE LAST UPDATED: 13 Jun 2003 (20030613/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s JP 5365865/pn

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L1 0 JP 5365865/PN
(JP5365865/PN)

=> s JP 65865/pn
L2 0 JP 65865/PN
(JP65865/PN)

=> s JP 51-140578/pn
L3 0 JP 51-140578/PN
(JP51140578/PN)

=> s gb 1570597/pn
L4 1 GB 1570597/PN
(GB1570597/PN)

=> d 14 ibib hitstr

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1977:584771 CAPLUS
DOCUMENT NUMBER: 87:184771
TITLE: 16.beta.-Alkylestradiol derivatives
INVENTOR(S): Miki, Takuichi; Hiraga, Kentaro; Goto, Giichi
PATENT ASSIGNEE(S): Takeda Chemical Industries, Ltd., Japan
SOURCE: Ger. Offen., 24 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2653558	A1	19770608	DE 1976-2653558	19761125
JP 52065259	A2	19770530	JP 1975-142509	19751127
JP 61044878	B4	19861004		
GB 1570597	A	19800702	GB 1976-49180	19761125 <--
FR 2332999	A1	19770624	FR 1976-35824	19761126
FR 2332999	B1	19790406		
CA 1076102	A1	19800422	CA 1976-266709	19761126
CH 629221	A	19820415	CH 1976-14943	19761126
PRIORITY APPLN. INFO.:			JP 1975-142509	19751127

=> s 16beta-ethylestradiol
4 16BETA
42 ETHYLESTRADIOL
L5 0 16BETA-ETHYLESTRADIOL
(16BETA(W)ETHYLESTRADIOL)

=> s 16 beta-ethylestradiol
700644 16
1194130 BETA
42 ETHYLESTRADIOL
L6 7 16 BETA-ETHYLESTRADIOL
(16(W)BETA(W)ETHYLESTRADIOL)

=> s 16 beta-n-butylestradiol

700644 16
 1194130 BETA
 2585772 N
 1 BUTYLESTRADIOOL
 L7 0 16 BETA-N-BUTYLESTRADIOOL
 (16(W) BETA(W) N(W) BUTYLESTRADIOOL)

=> s 16 beta-butylestradiol
 700644 16
 1194130 BETA
 1 BUTYLESTRADIOOL
 L8 0 16 BETA-BUTYLESTRADIOOL
 (16(W) BETA(W) BUTYLESTRADIOOL)

=> s butylestradiol
 L9 1 BUTYLESTRADIOOL

=> d 19 ibib hitstr abs

L9 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 1957:51924 CAPLUS
 DOCUMENT NUMBER: 51:51924
 ORIGINAL REFERENCE NO.: 51:9659i, 9660a-i, 9661a
 TITLE: 17-Alkyl-19-nortestosterones
 AUTHOR(S): Colton, Frank B.; Nysted, Leonard N.; Riegel, Byron;
 Raymond, Albert L.
 CORPORATE SOURCE: G. D. Searle & Co., Chicago
 SOURCE: J. Am. Chem. Soc. (1957), 79, 1123-7
 CODEN: JACSAT; ISSN: 0002-7863
 DOCUMENT TYPE: Journal
 LANGUAGE: Unavailable
 AB 17-Ethynyl-19-nortestosterone (8.6 g.) in 350 cc. dry dioxane hydrogenated over 1.1 g. 5% Pd-C until 2 moles H were absorbed, filtered, and evapd. to dryness in vacuo, and the residue chromatographed with 20-30% EtOAc in C6H6 on 450 g. silica gel yielded 6.12 g. 17-ethyl-19-nortestosterone (I), m. 137-8.degree. (from aq. MeOH), [.alpha.]D 25.degree. (c 1, CHCl3). A slow stream of C2H2 passed over the surface of a stirred soln. of 5.0 g. K in 100 cc. Me3COH and 100 cc. dry Et2O at 0.degree. until satd., treated with 5.0 g. Me estrone, the addn. of C2H2 continued 3-4 hrs. at 0.degree., the mixt. kept 18 hrs. at room temp., treated with 100 cc. 10% aq. NH4Cl, steam distd., and filtered, and the residue crystd. from Me2CO gave 5.1 g. 17-ethynylestradiol 3-Me ether (II), m. 150-1.5.degree.. II (5.0 g.) in 75 cc. purified dioxane hydrogenated over 0.5 g. 5% Pd-C until 2 moles H was absorbed, filtered, and evapd. to dryness in vacuo yielded 4.8 g. 17-ethylestradiol 3-Me ether (III), m. 85-7.degree. (from Me2CO-petr. ether). III (4.0 g.) in 100 cc. dry Et2O and 300 cc. liquid NH3 stirred 1 hr. with 4.0 g. Li, treated dropwise during 1.5 hrs. with 30 g. EtOH dild. with an equal vol. of dry Et2O while using an addnl. 100 cc. dry Et2O to wash the sides of the flask during the EtOH addn., the NH3 evapd. with gentle warming, the mixt. dild. with 100 cc. cold H2O, and the product isolated by extn. gave 3.4 g. 17-ethyl-1,4-dihydroestradiol 3-Me ether (IV), m. 126-8.degree. (from Et2O-MeOH). IV (1.25 g.) in 20 cc. MeOH refluxed 5 min. with 2.2 cc. glacial AcOH and dild. with 100 cc. H2O gave 1.15 g. 17.alpha.-ethyl-17-hydroxy-5(10)-estren-3-one, m. 134-6.degree. (from Me2CO-petr. ether). IV (2.0 g.) added with stirring to 2.4 cc. concd. HCl and 1.6 cc. H2O in 36 cc. MeOH, allowed to stand 2 hrs. at room temp., and filtered gave 1.7 g. I, m. 136-9.degree. (from Me2CO-petr.)

ether). 17-Octynylestradiol 3-Me ether (3.0 g.) in 75 cc. purified dioxane hydrogenated over 0.5 g. 5% Pd-C until 2 moles H was absorbed, filtered, and evapd., and the residue triturated with MeOH gave 1.9 g. 17-octylestradiol 3-Me ether (V), m. 79-81.degree., [.alpha.]D 40.degree. (c 1.25, CHCl₃). V (1.5 g.) subjected to a Birch reduction gave 1.2 g. solvated cryst. material which became amorphous on drying in vacuo; the amorphous material cleaved and isomerized in the usual manner yielded 0.8 g. 17-octyl-19-nortestosterone, m. 120-2.degree. (from aq. MeOH). II (4.0 g.) reduced in the usual manner yielded 3.1 g. 3-methoxy-19-norpregna-2,5(10),17-(20)-triene (VI), m. 111-12.degree.. VI (1.0 g.) isomerized in the usual manner with HCl gave 0.76 g. 19-norpregna-4,17-(20)-dien-3-one, m. 124-5.degree.. Mg (8.5 g.) (activated with iodine) covered with 200 cc. dry Et₂O, treated dropwise with 5.0 g. CH₂:CHCH₂Br in 20 cc. dry Et₂O, and then during 45 min. with 20.0 g. estrone Me ether in 95 g. CH₂:CHCH₂Br and 400 cc. Et₂O, refluxed 2.5 hrs., cooled, and treated with 500 cc. 10% aq. NH₄Cl, and the Et₂O layer worked up yielded 18.4 g. 17-allylestradiol 3-Me ether (VII), m. 91-1.5.degree. (from Et₂O-petr. ether), [.alpha.]D 57.4.degree. (c 1.02, CHCl₃). VII (11.5 g.) in 200 cc. EtOH hydrogenated over 5 g. 5% Pd-C until 1 mole H had been absorbed, filtered, and evapd. in vacuo yielded 10.1 g. 17-propylestradiol 3-Me ether (VIII), m. 93-4.degree. (from Et₂O-MeOH), [.alpha.]D 47.7.degree.. VIII (6.0 g.) reduced with Li in NH₃ gave 4.7 g. 17-propyl-1,4-dihydroestradiol 3-Me ether (IX), m. 150-2.degree., [.alpha.]D 105.degree. (c 1.16, CHCl₃). VII (5.0 g.) hydrogenated in dioxane over 5% Pd-C yielded 4.0 g. IX, m. 149-51.degree.. IX (1.0 g.) in MeOH heated with glacial AcOH gave 0.8 g. 17.alpha.-propyl-17-hydroxy-5(10)-estren-3-one, m. 90.0-1.5.degree.. IX (1.8 g.) cleaved and isomerized in the usual manner yielded 1.4 g. 17-propyl-19-nortestosterone, m. 122-3.degree., [.alpha.]D 21.degree. (c 0.98, CHCl₃). 1,4-Dihydroestradiol 3-Me ether (25 g.) in 242 cc. cyclohexane and 860 cc. PhMe refluxed 2 hrs. with 25 g. (iso-PrO)₃Al in 347 cc. PhMe, treated dropwise during 10 min. with 169 cc. satd. aq. Rochelle salt, and steam distd., the aq. distn. residue filtered, and the solid product triturated with 100 cc. MeOH and cooled to 0.degree. gave 21.0 g. 1,4-dihydroestrone 3-Me ether (X), m. 141-1.5.degree. (from MeOH). Mg (1.7 g.) (activated with iodine) treated with 9.0 g. CH₂:CHCH₂Br in 100 cc. Et₂O, refluxed 15 min., treated with 2.0 g. X in 100 cc. Et₂O, refluxed 1.5 hrs., and treated slowly with 100 cc. 10% aq. Rochelle salt, the Et₂O layer worked up, the residue dissolved in 40 cc. MeOH, 1.5 cc. concd. HCl, and 5 cc. H₂O, kept 2 hrs. at room temp., and dild. with 200 cc. cold H₂O, and the crude ppt. chromatographed on 150 g silica gel yielded 1.1 g. 17-allyl-19-nortestosterone, m. 93-5.degree.. 1-Octyne (24 g.) in 125 cc. dry Et₂O stirred 1 hr. at 0.degree. with 7.8 g. EtMe₂COK (from 7.8 g. K), treated with 5.7 g. estrone Me ether, warmed to room temp., stirred 24 hrs., and treated with 150 cc. 10% NH₄Cl, the org. layer worked up, and the residue chromatographed with 0.5% C₆H₆ in CHCl₃ on silica gel gave 4.6 g. 17-octynylestradiol Me ether, oil. BuLi (from 9.0 cc. BuBr and 0.67 g. Li) added with stirring to 1.65 g. estrone Me ether in 40 cc. dry Et₂O, stirred 1 hr., decompd. with MeOH and dil. H₂SO₄, and dild. with Et₂O, the Et₂O layer worked up, and the residue chromatographed with 20% Skellysolve A in C₆H₆ on 100 g. Al₂O₃ gave 426 mg. 17-butylestradiol 3-Me ether (XI), m. 52-5.degree. partially solidified and remelted at 92-4.degree.. XI subjected to a Birch reduction, cleaved and rearranged, and the crude product chromatographed with 20% EtOAc in C₆H₆ on 35 g. silica gel yielded 118 mg. 17-butyl-19-nortestosterone, m. 126-7.degree. (from aq. MeOH).

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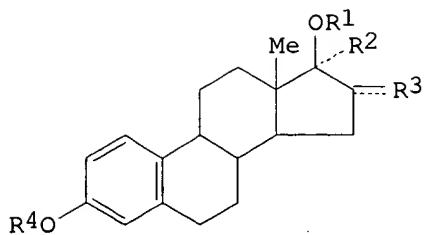
L6 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1995:417462 CAPLUS
DOCUMENT NUMBER: 122:170182
TITLE: Therapeutics for treatment of osteoporosis
INVENTOR(S): Miki, Shuji; Kanehira, Koichi; Matsumoto, Toshio
PATENT ASSIGNEE(S): Kuraray Co, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 06312930	A2	19941108	JP 1993-128036	19930430
PRIORITY APPLN. INFO.:			JP 1993-128036	19930430

AB The title therapeutic compns. (e.g. tablets) contain progestogens and estrogen antagonists as active ingredients. Administration of progesterone (I) and 16.beta.-ethylestradiol (II) at 25 mg/kg and 50 .mu.g/kg, resp., s.c. for 2 wk to bone morphogenetic protein-treated rats resulted in bone mineral increase by 60%, vs. -6% or 14%, resp. for I or II alone.

L6 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1992:598537 CAPLUS
DOCUMENT NUMBER: 117:198537
TITLE: Bone resorption inhibitors containing estradiols
INVENTOR(S): Miki, Takuichi; Kumazuki, Takamaru; Yamazaki, Iwao; Goto, Giichi
PATENT ASSIGNEE(S): Takeda Chemical Industries, Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 04145024	A2	19920519	JP 1990-268575	19901005
PRIORITY APPLN. INFO.:			JP 1990-268575	19901005
OTHER SOURCE(S):		MARPAT 117:198537		
GI				



AB Bone resorption inhibitors, which are useful for treatment of osteoporosis and less assocd. with adverse effects, contain estradiols I (R1 = H, alkyl, acyl; R2 = H, alkyl, alkynyl; R3 = alkyl, alkenyl, alkynyl, cyclic hydrocarbyl; R4 = H, cardrocarbyl; the dot line attached to R3 may be bond), their salts, or esters. **16.βeta.**-

Ethylestradiol (II) at 10 .μ.g/mL inhibited 74.7% resorption of Ca by rat embryo bone, vs. 81.0%, for estradiol. Administration of II at 20 .μ.g/kg to oophorectomized rats did not affect wt. of uterus, vs. severe wt. increase, when estradiol at 0.2 .μ.g/kg was administered instead. Tablets were formulated contg. II 5, lactose 25, starch 98, CMC Ca 20, and Mg stearate 2 g. Several I were prep'd.

L6 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1991:527546 CAPLUS
DOCUMENT NUMBER: 115:127546

TITLE: Glucocorticoids suppress and estrogens enhance the lipopolysaccharide-induced increase in putrescine and N1-acetylspermidine in mouse liver

AUTHOR(S): Sugimoto, Hiroyuki; Hamana, Koei; Matsuzaki, Shigeru; Arai, Takayuki; Yamada, Shoji

CORPORATE SOURCE: Inst. Endocrinol., Gunma Univ., Maebashi, 371, Japan
SOURCE: Journal of Steroid Biochemistry and Molecular Biology (1991), 38(6), 781-6

CODEN: JSBBEZ; ISSN: 0960-0760

DOCUMENT TYPE: Journal
LANGUAGE: English

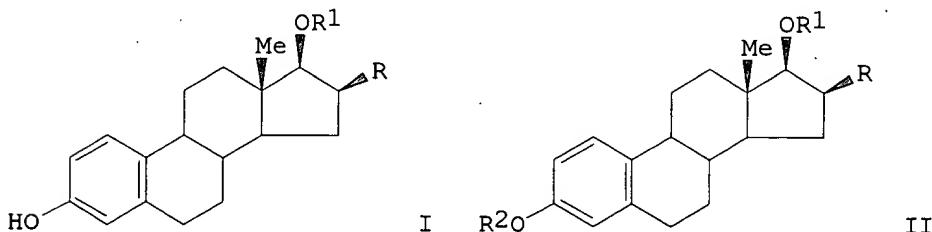
AB Administration of lipopolysaccharide (LPS) to mice increases hepatic levels of putrescine (PUT) and N1-acetylspermidine (N1-acetyl-SPD). The in vivo effects of steroid hormones on the LPS-induced increase in PUT and N1-acetyl-SPD were studied in mice. Corticosterone, hydrocortisone, and dexamethasone suppressed the LPS-induced increase in PUT and N1-acetyl-SPD in the liver in a dose-dependent manner, dexamethasone being the most effect among them. Estrone and estradiol-17.βeta. enhanced the LPS-induced increase in PUT and N1-acetyl-SPD in a dose-dependent manner. Estradiol-17.α. and 16.βeta.-ethyl-estradiol, an inactive estradiol isomer and an antiestrogen, resp., enhanced the increase in PUT and N1-acetyl-SPD concns. induced by LPS. Estriol 16.α.-hydroxyestosterone, 2-hydroxyestradiol, 2-hydroxyestosterone, progesterone, testosterone, diethylstilbestrol, and nonsteroidal antiestrogens such as tamoxifen and nafoxidine had no effect on the increase. Estradiol-17.βeta. enhanced and corticosterone had little effect on the carbon tetrachloride-induced increase in PUT and N1-acetyl-SPD. Glucocorticoids may suppress the increase by preventing the immunol. injury by Kupffer cells on hepatocytes. The stimulatory effect of estrogens may not be assocd. with their estrogenic activities mediated by the estrogen receptor system.

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L6 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1979:572408 CAPLUS
DOCUMENT NUMBER: 91:172408
TITLE: Influence of intrahypothalamic implants of
antiestrogen or aromatase inhibitor on development of
sterility following neonatal androgenization in female
rats
AUTHOR(S): Hayashi, Shinji
CORPORATE SOURCE: Endocrinol. Div., Natl. Cancer Cent. Res. Inst.,
Tokyo, 104, Japan
SOURCE: Journal of Steroid Biochemistry (1979), 11(1B), 537-41
CODEN: JSTBBK; ISSN: 0022-4731
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Paraffin micropellets contg. 16.**beta.**-ethylestradiol (EED), an antiestrogen or 1,4,6-androstatriene-3,17-dione (ATD), an aromatase inhibitor, implanted directly into the hypothalamus of neonatal female rats 6 h prior to a single s.c. injection of testosterone propionate (TP). The antagonists did not impair the sterilizing action of TP but enhanced the induction of sterility. In contrast, intrahypothalamic implantation of paraffin micropellets contg. 1% TP together with 50% MER-25, an antiestrogen, brought about a suppression of sterility induction. The reasons why intrahypothalamic implants of antiestrogen or aromatase inhibitor failed to suppress the sterilizing effect of TP s.c. injected are discussed.

L6 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1978:597804 CAPLUS
DOCUMENT NUMBER: 89:197804
TITLE: Estradiol derivatives
INVENTOR(S): Miki, Takakazu; Hiraga, Kentaro; Goto, Yoshikazu
PATENT ASSIGNEE(S): Takeda Chemical Industries, Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 53065865	A2	19780612	JP 1976-140578	19761123
PRIORITY APPLN. INFO.:			JP 1976-140578	19761123
GI				



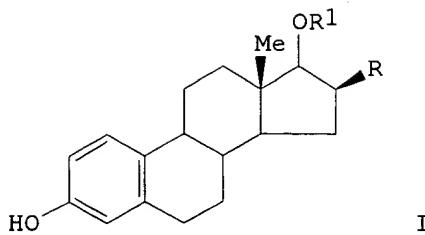
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AB Fourteen estradiol derivs. I (R = alkyl; R1 = H, acyl) were prep'd. by ether cleavage or deacylation of II (R2 = alkyl, acyl). I had antiestrogen activity (no data). Thus, a mixt. of 1 g **16**.
beta.-ethylestradiol 3-Me ether and 1.3 g pyridinium chloride was heated 2 h at 150.degree. to give **16.beta.-ethylestradiol**.

L6 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1978:437039 CAPLUS
DOCUMENT NUMBER: 89:37039
TITLE: The competitive action of **16.beta.-ethylestradiol** on the binding of estrogen receptor in human breast cancer
AUTHOR(S): Takikawa, H.
CORPORATE SOURCE: Inst. Endocrinol., Gunma Univ., Maebashi, Japan
SOURCE: Research on Steroids (1977), 7, 291-9
CODEN: RSTEBF; ISSN: 0370-7466
DOCUMENT TYPE: Journal
LANGUAGE: English
AB The cytosol receptor for estrogen was isolated and purified from human mammary gland samples. Most of the 16-substituted estradiols had no effect on binding of 17.**beta.-estradiol** [50-28-2] but **16**.
beta.-ethylestradiol [62633-99-2] inhibited binding strongly. Synthetic estrogens inhibited the binding as did synthetic antiestrogens. From the compds. tested, the binding affinity was diminished if a phenolic hydroxyl group on C 3 or an alc. hydroxyl group on C 17 was substituted; if both groups were substituted the activity was abolished.

L6 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1977:584771 CAPLUS
DOCUMENT NUMBER: 87:184771
TITLE: **16.beta.-Alkylestradiol derivatives**
INVENTOR(S): Miki, Takuichi; Hiraga, Kentaro; Goto, Giichi
PATENT ASSIGNEE(S): Takeda Chemical Industries, Ltd., Japan
SOURCE: Ger. Offen., 24 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2653558	A1	19770608	DE 1976-2653558	19761125
JP 52065259	A2	19770530	JP 1975-142509	19751127
JP 61044878	B4	19861004		
GB 1570597	A	19800702	GB 1976-49180	19761125
FR 2332999	A1	19770624	FR 1976-35824	19761126
FR 2332999	B1	19790406		
CA 1076102	A1	19800422	CA 1976-266709	19761126
CH 629221	A	19820415	CH 1976-14943	19761126
PRIORITY APPLN. INFO.:			JP 1975-142509	19751127
GI				



AB Eight antiestrogenic 16. β -alkylestradiols I (R = Et, Me₂CH, allyl, Bu, 3-butenyl; R₁ = H, Ac, EtCO, PhCH₂CH₂CO, Bz) were prep'd. routinely. Thus, **16. β -ethylestradiol** 3-Me ether was heated with pyridine at 150.degree. to give I (R = Et; R₁ = H), which was acetylated to the diacetate and then selectively hydrolyzed with K₂CO₃ in MeOH to I (R = Et, R₁ = Ac).

=> FIL REGISTRY

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	57.11	57.32
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CA SUBSCRIBER PRICE	-5.21	-5.21

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STRUCTURE FILE UPDATES: 13 JUN 2003 HIGHEST RN 530739-23-2
 DICTIONARY FILE UPDATES: 13 JUN 2003 HIGHEST RN 530739-23-2

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

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Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> S 62633-99-2/RN

L10 1 62633-99-2/RN

=> SET NOTICE 1 DISPLAY

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NOTICE SET TO 1 U.S. DOLLAR FOR DISPLAY COMMAND
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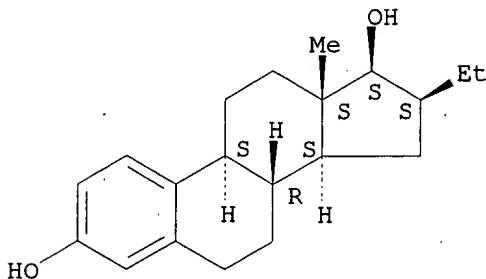
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SET COMMAND COMPLETED

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L10 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS
RN 62633-99-2 REGISTRY
CN Estra-1,3,5(10)-triene-3,17-diol, 16-ethyl-, (16. β .,17. β .)- (9CI)
(CA INDEX NAME)
OTHER NAMES:
CN 16. β -Ethylestra-3,17. β -diol
CN 16. β -Ethylestradiol
FS STEREOSEARCH
MF C20 H28 O2
LC STN Files: BEILSTEIN*, CA, CAPLUS, IFICDB, IFIPAT, IFIUDB, MEDLINE,
USPATFULL
(*File contains numerically searchable property data)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

11 REFERENCES IN FILE CA (1957 TO DATE)
11 REFERENCES IN FILE CAPLUS (1957 TO DATE)

=> d his

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FILE 'CAPLUS' ENTERED AT 14:15:21 ON 14 JUN 2003

L1 0 S JP 5365865/PN
L2 0 S JP 65865/PN
L3 0 S JP 51-140578/PN
L4 1 S GB 1570597/PN
L5 0 S 16BETA-ETHYLESTRADIOL
L6 7 S 16 BETA-ETHYLESTRADIOL
L7 0 S 16 BETA-N-BUTYLESTRADIOL
L8 0 S 16 BETA-BUTYLESTRADIOL
L9 1 S BUTYLESTRADIOL

FILE 'REGISTRY' ENTERED AT 14:26:20 ON 14 JUN 2003

L10 1 S 62633-99-2/RN
SET NOTICE 1 DISPLAY
SET NOTICE LOGIN DISPLAY

=> logoff

ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD:H

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	3.28	60.60
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-5.21

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 14:28:34 ON 14 JUN 2003